National Standards in science, math, technology, and geography are met as S'COOL participants observe, compute, and locate vital information.

The front of this poster is to be used as an aid to students' observations of cloud type. The reverse may be reproduced as a set of four 8 1/2 by 11 inch sheets and provides additional information on weather measurements to be made. Results of observations should be recorded and sent to S'COOL using forms provided upon registration.

TO REGISTER OR FOR MORE INFORMATION:

Check out the S'COOL web site
http://asd-www.larc.nasa.gov/SCOOL/

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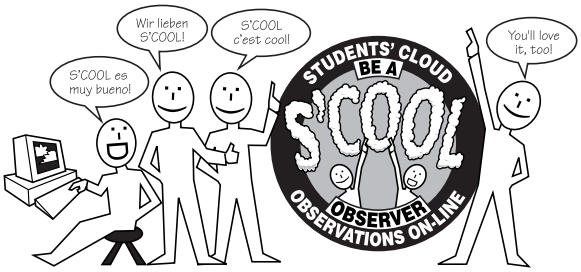

CLOUDS

Type (see front of this poster)

- ❑ None
- ❑ Low Altitude:
  - ❑ Stratus ❑ Stratocumulus ❑ Nimbostratus
  - ❑ Cumulus ❑ Cumulonimbus ❑ Fog
- ❑ Mid Altitude:
  - ❑ Altostratus ❑ Altocumulus
- ❑ High Altitude:
  - ❑ Cirrus ❑ Cirrocumulus ❑ Cirrostratus
  - ❑ Contrails (the condensation trails created by airplanes)

SURFACE COVER

- ❑ Snow/Ice
- ❑ Standing water
- ❑ Muddy ground
- ❑ Dry ground
- ❑ Leaves on trees

Fraction (Please determine the following for each level of clouds, if visible.)
How much of the sky is covered by clouds at that level?

- ❑ None (0%) ❑ Clear (0-5%) ❑ Partly Cloudy (5-50%)
- ❑ Mostly Cloudy (50-95%) ❑ Overcast (95-100%)

Visual Opacity (Please determine the following for each level of clouds present.)
How thick are the clouds, and how much sunlight can penetrate them?

- ❑ Opaque (thick clouds which do not allow light to pass through)
- ❑ Translucent (medium-thickness clouds; some light filters through)
- ❑ Transparent (thin clouds, light passes easily, some sky visible through clouds)